

# SUBITH S

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## OBJECTIVE

Highly motivated Electronics and Communication Engineer with expertise in IoT, AI-based surveillance, embedded systems and software development. Proven ability to design and implement innovative projects using Raspberry Pi, Arduino, and AI-based solutions. Strong problem-solving skills, technical leadership, and a passion for smart automation and AI applications.

## PROJECTS

### Safe Parking System

- Developed a smart parking system using Raspberry Pi for secure parking automation.
- Implemented AI-powered surveillance to detect security vulnerabilities in real time.
- Integrated a Web app for space availability tracking and QR-based payment.
- Reduced unauthorized access and enhanced security through an automated PIN & QR verification system.
- Developed an automated license plate recognition (ALPR) system for efficient vehicle identification

### IoT-Based Fuel Theft & Low Fuel Detection

- Designed an Arduino-GSM-Ultrasonic based system for real-time fuel monitoring.
- Implemented SMS alerts for unauthorized fuel drainage and low fuel warnings.
- Enabled real-time fuel level tracking, reducing vehicle fuel losses

## INTERNSHIP EXPERIENCE

### Keltron – Hardware & Software Familiarization

- Hands-on experience with PC hardware assembly & disassembly.
- Installed and managed Windows 10 & Ubuntu Linux, including user and disk management.
- Worked on troubleshooting and system optimization for hardware and software configurations.

## EDUCATION

### B.Tech in Electronics and Communication Engineering

Government Engineering College, Sreekrishnapuram | Dec 2021 – Present | 6.71 CGPA

### Higher Secondary Education (12th Grade)

KCP HSS Kavassery | Completed in 2021 | 95%

### High School (10th Grade)

Vijayamatha Convent High School | Completed in 2019 | 97%

## SKILLS

Technical Skills: Python, SQL, Git, IoT, AI/ML Concepts, Embedded Systems, Raspberry Pi, Arduino,

Software & Tools: MATLAB, Tinkercad, Android Studio, Visual Studio Code, MS office, Github

Soft Skills: Critical Thinking, Problem-Solving, Leadership, Fast Learning, Time Management, Teamwork, Attention to Detail, Conflict Resolution, Communication skills, Adaptability, Creativity

Decision-Making, Work Under Pressure, Project Management, Presentation & Public Speaking,

Languages: English, Malayalam, Tamil

## CERTIFICATIONS

- Internet of Things – IIT Bhubaneswar
- Python Programming (NPTEL) – IIT Madras
- SQL Bootcamp - Udemy

## ACHIEVEMENTS & LEADERSHIP

- Consistently top academic performer (95% in Higher Secondary, 97% in High School).
- Led multiple technical projects and actively participated in hackathons & tech events.
- Secured first place in an IoT-based automation project competition at college.
- Led a Python programming code hackathon, fostering innovation and teamwork among peers.